

PIERS 2012 in Moscow

Progress in Electromagnetics Research Symposium

19 – 23 August, 2012

Moscow, RUSSIA

CALL FOR PAPERS

PIERS provides an international forum for reporting progress and recent advances in all aspects of electromagnetics. Spectra range from statics to RF, microwave, photonics, and beyond. Topics include radiation, propagation, diffraction, scattering, guidance, resonance, power, energy and force issues, and all applications and modern developments. Potential session organizers are welcome to propose specific technical topics by filling out the PIERS survey at <http://piers.org/>.

SUGGESTED TOPICS:

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| 1 Electromagnetic theory | 2 Computational electromagnetics, hybrid methods |
| 3 Spectra, time, and frequency domain techniques | 4 Fast iteration, large scale and parallel computation |
| 5 Transmission lines and waveguide discontinuities | 6 Resonators, filters, interconnects, packaging, MMIC |
| 7 Antenna theory and radiation | 8 Microstrip and printed antennas, phase array antennas |
| 9 RF and wireless communication, multipath | 10 Mobile antennas, conformal and smart skin antennas |
| 11 Power electronics, superconducting devices | 12 Systems and components, electromagnetic compatibility |
| 13 Nano scale electromagnetics, MEMS | 14 Magnetic levitation, transportation and collision avoidance |
| 15 Precision airport landing systems, GPS | 16 Radar sounding of atmosphere, ionospheric propagation |
| 17 Microwave remote sensing and polarimetry, SAR | 18 Subsurface imaging and detection technology, GPR |
| 19 Active and passive remote sensing systems | 20 Electromagnetic signal processing, wavelets, neural network |
| 21 Rough surface scattering and volume scattering | 22 Remote sensing of the earth, ocean, and atmosphere |
| 23 Scattering, diffraction, and inverse scattering | 24 Microwave and millimeter wave circuits and devices, CAD |
| 25 Optics and photonics, gyrotrons, THz technology | 26 Quantum well devices, microwave photonic systems, PBG |
| 27 Medical electromagnetics, biological effects, MRI | 28 Fiber optics, optical sensors, quantum computing |
| 29 Biological media, composite and random media | 30 Plasmas, nonlinear media, fractal, chiral media, LHM |
| 31 Constitutive relations and bianisotropic media | 32 Moving media, relativity, field quantization, and others |

PAPER SUBMISSION MUST BE RECEIVED BY 20 March 2012

Abstract Guidelines: Authors are invited to submit a one-page abstract of no less than 250 words in English. No full-length paper is required. The abstract should explain clearly the content and relevance of the proposed technical contribution. On a separate page list the following information: (1) Title of the paper, (2) Name, affiliation, and email of each author, (3) Mailing address, (4) Telephone/Fax numbers, (5) Corresponding author and Presenting author, (6) Topic or Session Organizer, if applicable, (7) State if poster presentation is preferred.

Please use On-Line-Submission (<http://piers.org>) to submit your contribution or via email (tpc@piers.org) by attachments. Authors are recommended to use *.tex, *.doc, or *.pdf as the file format. The abstract submission deadline is **20 March 2012** and the author pre-registration deadline is **20 May 2012**.

Full-length Papers: Author of an accepted abstract is invited to (but is not required to) submit a full-length paper of 4–5 pages. All full papers will be subject to a peer-review process. Only accepted and registered papers will be published in the final PIERS Proceedings and available online after the conference. Selected full-length papers will be published on **PIERS Online**. Please visit PIERS website for the latest PIERS sample files. The deadline for the submission of extended papers is **30 May 2012**.

PRESENTING AUTHORS MUST PRE-REGISTER BY 20 MAY 2012

Each presenting author is limited to presenting no more than three papers in oral and poster sessions, and must pre-register by paying a **non-refundable** fee of **US\$570** before **20 May 2012**. For students with valid identification, the non-refundable pre-registration fee is **US\$300**. Registration fee will be raised to **\$680** and **\$400** for students after **20 May 2012**. Only pre-registered articles will be scheduled in the final Technical Program. Inclusion of the article in the Technical Program and PIERS Proceedings is guaranteed only after the registration of the presenting author is completed. Registration fee include admission to all technical sessions, break areas, and a copy of the draft proceedings in CD-ROM.

Updated and detail information will be posted at <http://piers.org> and <http://emacademy.org>